

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently amended) A heat exchanger, especially for motor vehicles, having flat tubes (2) through which first fluids (~~FL1a, FL1b~~) can flow and which can be externally exposed to a second fluid (~~FL2~~) and which are arranged fundamentally parallel to one another and transversely to the direction of flow (~~S2~~) of the second fluid (~~FL2~~) in at least two rows, each first fluid being assigned at least one row of tubes, with the flat tubes in a row of tubes being spaced apart forming flow paths for the second fluid (~~FL2~~) passing through the heat exchanger, cooling fins being arranged in the flow paths, which in each case extend between adjacent flat tubes (2), ~~characterized in that~~ wherein multiple corrugated fins (3), which are arranged in series in the direction of flow (~~S2~~) of the second fluid (~~FL2~~) and laterally offset in relation to one another, are provided as cooling fins and in that multiple corrugated fins (3) arranged in series are formed from a common strip (8).
2. (Currently amended) The heat exchanger as claimed in claim 1, ~~characterized in that~~ wherein the surfaces (5) of the corrugated fins (3) are arranged fundamentally parallel to the direction of flow (~~S2~~) of the second fluid (~~FL2~~).
3. (Currently amended) The heat exchanger as claimed in claim ~~1 or 2~~, ~~characterized in that~~ 1, wherein multiple offset corrugated fins (3) are similarly shaped.
4. (Currently amended) The heat exchanger as claimed in ~~any one of claims 1 to 3~~, ~~characterized in that~~ claim 1, wherein at least one of the corrugated fins (3) has gills (7) for directing the second fluid (FL2).
5. (Currently amended) The heat exchanger as claimed in claim 4, ~~characterized in that~~ wherein all gills (7) of a fin section (~~4b~~) bounded by two flat tubes (2) are

angled in the same direction relative to the direction of flow (~~S2~~) of the second fluid (~~FL2~~).

6. (Currently amended) The heat exchanger as claimed in claim 5, ~~characterized in that~~ wherein the gills (~~7~~) of two successively offset fin sections (~~4b~~) are angled in the same direction.
7. (Currently amended) The heat exchanger as claimed in claim 5, ~~characterized in that~~ wherein the gills (~~7~~) of two successively offset fin sections (~~4b~~) are angled in opposite directions.
8. (Currently amended) The heat exchanger as claimed in ~~any one of claims 1 to 7,~~ characterized in that claim 1, wherein two successively offset fin sections (~~4b~~) are fundamentally parallel to one another.
9. (Currently amended) The heat exchanger as claimed in claim 8, ~~characterized in that~~ wherein the fin sections (~~4b~~) are arranged fundamentally perpendicular to the flat tubes (~~2~~).
10. (Currently amended) The heat exchanger as claimed in ~~any one of claims 1 to 9,~~ characterized in that claim 1, wherein the corrugated fins (3) extend for an equal or similar distance in the main direction of flow of the second fluid.
11. (Currently amended) The heat exchanger as claimed in ~~any one of claims 1 to 10,~~ characterized in that claim 1, wherein different rows of tubes have different fluids flowing through them.
12. (Currently amended) The heat exchanger as claimed in ~~any one of claims 1 to 10,~~ characterized in that claim 1, wherein one fluid flows through different rows of tubes.